PROGRESS REPORT

ON

ARBORICULTURE IN THE PUNJAB

For the year 1885-86.

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No. 460.

FROM

T. GORDON WALKER, ESQUIRE,

Offg. Junior Secretary to Government,

Punjab and its Dependencies,

To

H. C. HILL, ESQUIRE,

Offg. Conservator of Forests,

Punjab.

Dated Lahore, 11th November 1886.

Forests.

SIR,

I AM directed to acknowledge the receipt of your letter No. 1362, dated 20th September 1886, submitting five tabular statements showing the progress of arboriculture in the Punjab during the year 1885-86, with brief notes recorded in the column of remarks. In reply I am to convey the following observations of the Lieutenant-Governor.

2. The report, which was due on September 1st, was not despatched till September 20th, and was received in this office on October 9th. It is explained that the statements from certain districts, which should have been submitted by July 1st, were not received till after August 15th, thus causing delay in the submission of the returns for the Province. The report required for this year is of the briefest possible description, and I am to call your attention to paragraph 7 of the review of last year, and to request that in future all instances of the unpunctual submission of these statements may be brought to the notice of Government.

3. The rainfall of the year appears to have been considerably above the average. The only districts among those classed as *arid* in which there has been a diminished rainfall are Montgomery and Ferozepore; in all the *very dry* districts it has been above the average; and in only seven of the remaining districts of the Province has the rainfall been somewhat less than usual. It is partly in consequence of these favorable conditions that the length of single lines of avenues planted during the year shows a considerable increase over the figures returned for the previous year, the total this year being 50,72,717 feet against 18,40,373 feet for 1884-85. But it also appears from the remarks recorded against the figures of certain districts that this large increase in the returns of lengths planted is due chiefly to more careful measurements, and to the inclusion of lengths of avenues previously planted, but excluded from former returns. If allowance be made for this, according to the entries in the column of remarks in Statement No. I (*a*), the total length of single lines of avenues actually planted during the year amounts to 25,33,746 feet. The loss of 9,14,033 feet of trees in the Kángra District, commented upon in last year's review, is now explained as being erroneous, and it is stated that no such loss occurred. The figures of length of lines on which trees have been lost this year are high in Lahore and Delhi, being 4,04,710

feet and 3,13,330 feet respectively. These figures obviously called for explanation in the column of remarks. Commendable activity in the planting of avenues appears from the returns to have been exhibited in several districts, and the Lieutenant-Governor is pleased to observe the increased interest shown by District Officers generally in the subject of arboriculture. Statements I and II submitted from Amritsar are blank, and the returns are otherwise imperfect. The attention of the Deputy Commissioner of that district will be drawn to the matter, and he will be asked to see that complete returns are submitted for the future.

4. Remarks similar to those made in the last paragraph regarding the inaccuracy of previous returns apply to the operations shown under the heads of Groves and Nurseries in Statements II and III, the increases of area being in great part nominal, and merely the result of omission from the returns of the preceding year. It is hoped that some degree of accuracy has now been attained, and that the future returns will show the actual progress of each year.

5. The Lieutenant-Governor is glad to observe that the subject of fodder trees appears to have received considerable attention, and that, although primary attention is directed to obtaining trees for shelter purposes on district roads, fodder trees are extensively planted in almost all districts where the necessity is likely to make itself felt. The entries in column VI of Statements I—III show that a number of trees which could be utilized for fodder are planted generally throughout the Province. Experiments have been tried this year with the salt bush in several districts, but the result has not yet been reported to Government; the only mention of it in the present statements is from Dera Ghazi Khan, where it is said the seed did not germinate. As stated in the concluding paragraph of your remarks, a fuller report on the subject of fodder trees should be given in the next narrative report.

6. The following table shows the expenditure, income, and net cost of arboriculture in the districts of the Province during the past five years :—

	Expenditure.	*Income.*	*Net Cost.*
	Rs.	Rs.	Rs.
1881-82	1,07,886	35,478	72,408
1882-83	99,581	32,864	66,717
1883-84	1,39,804	50,944	88,860
1884-85	1,24,262	51,948	72,314
1885-86	1,56,317	66,256	90,061

The figures for last year are approximate, as the returns for five districts were not included owing to late submission, those for 1883-84 being substituted. It will be seen that, while the expenditure and income have both largely increased, the net cost of arboriculture in the year under review, though it considerably exceeds the figures of last year which were only approximate, is greater than the net cost for 1883-84 by only Rs. 1,201; and, if the increased extent of arboricultural operations this year be taken into consideration, the financial results do not compare unfavorably with those attained in previous years.

I have, &c.,

T. GORDON WALKER,

Offg. Junior Secretary to Government, Punjab.

Punjab Government Press, Lahore.—8-11-86—332.

No. 1362.

FROM

H. C. HILL, ESQUIRE,

Conservator of Forests, Punjab,

To

THE JUNIOR SECRETARY TO GOVERNMENT,

PUNJAB.

Dated 20th September 1886.

SIR,

I have the honor of submitting herewith five tabular statements (noted at foot) showing the progress of arboriculture in the Punjab during the year 1885-86.

2. The delay in submission of these statements is entirely due to my not receiving the statements for some districts till after the 15th August, instead of on the 1st July.

3. The heavy loss of plants noticed in the Kangra district in 1884-85 has been briefly remarked on in the statements as was requested.

4. Some notice in the remarks columns has been given to the question "whether fodder trees are propagated in the districts with a view to the supply of fodder in the time of famine." It would appear from the names of trees entered in columns 6 of statements I, II and III, that there are many fodder trees planted; and generally it is reported that though primary attention is directed to obtaining trees for shelter purposes on district roads, nevertheless fodder trees have been and are still planted in almost all districts where the necessity makes itself felt. In many instances those already planted furnished fodder during the last famine. This matter will be dealt with more fully in the next narrative report.

Statement	I a.—Avenues.	(Districts).
Do.	,, b.— ,,	(Canals).
Do.	,, c.— ,,	(Provincial roads).
Do.	II a.—Groves.	(Districts).
Do.	,, b.— ,,	(Canals).
Do.	,, c.— ,,	(Provincial roads).
Do.	III a.—Nurseries.	(Districts).
Do.	,, b.— ,,	(Canals).
Do.	,, c.— ,,	(Provincial roads).
Do.	IV a.—Income.	(Districts).
Do.	,, b.— ,,	(Canals).
Do.	,, c.— ,,	(Provincial roads).
Do.	V a.—Expenditure.	(Districts).
Do.	,, b.— ,,	(Canals).
Do.	,, c.— ,,	(Provincial roads).

I have the honor to be,

Sir,

Your most obedient servant,

H. C. HILL,

Offg. Conservator of Forests, Punjab.

STATEMENTS.

STATEMENT No. I (*a*).

Progress Statement of Avenues in the Districts of the Punjab during the year 1885-86.

I.		II.	III.	IV.	V.	VI.	VII.		VII.
Roads or Canal on which avenues have been planted or are in course of construction.		Length of single lines stocked with trees or established plants at the beginning of the year.	Length of single lines planted during the year	Length of single lines on which cultivation has failed or on which trees or established plants have been destroyed or felled.	Length of single lines stocked with trees or established plants at the end of the year.	Species of trees cultivated.	Rainfall.		REMARKS.
Name of	Total length in feet.	Feet	Feet.	Feet.	Feet.		Average.	During the year.	
ARID									
Muzaffargarh	15,77,919	7,03,635	53,518	9.255	7,47,898	Shisham, siris, pipal, farash, mango.	5·93	5·93	Double lines of trees are planted on either side of the road, the figures in columns II, III, IV and V represent the length of double line. The chief work attempted is the complete stocking of the main district roads. Maintenance only of existing lines on other roads.
Mooltan	17.71,130	1,98.967	2,20,923	5,137	4,14,753	Siris, shisham, pipal, bohar, lasura, ber, jaman, phulai, mulberry, kikar, farash.	7·05	9 7	171,606 feet of lines entered in column III were previously stocked, but were not shown in column II of previous statements by returning officer.
Dera Ghazi Khan	16,44,720	4,43,520	44,880		4,88,400	Shisham, kikar, siris, mangoes, eucalyptus, nim, tún.	7·15	8·6	*Siris* affords fodder for cattle in winter, being found as good, if not better, than "bhusa." Carob and mesquit bean also give fodder, but not affording shade are grown only in plantations and not in avenues

Dera Ismail Khan	10,87,680	3,45,036	5,660	31,649*	3,19,047	Shisham, tamarisk, pipal, mulberry, ber, siris.	8·38	10·5	*29,340 ft. of lines on the road, Dera to Chunda, now made over to the P. W. Department, these are not failures.
Montgomery	4,80,500	84,480	1,000	2,430	83,050	Kikar, ber, jhand, shisham and siris.	10·54	8·2	Some of the established plants have been destroyed during the year owing to scarcity of rain and river water. The average rainfall has been calculated for the last 5 years.
Jhang	15,20.165	2,63,040	22,875†	25,770‡	2,60,145	Shisham, siris, ber, kikar, pipal, tut, bangan, tamarisk, date tree, amaltas, phulai; jhand, jaman, barna, mangoes and sohanjna.	8·3	10·93	† Includes 165 ft. erroneously shown as a nursery last year. ‡ Includes 15,580 ft. now deducted because erroneously shown in the closing balance of 1884-85. New planting operations begun on two roads, one from Shorekot to Kamalia, the other from Tahsil to the school at Chiniot.
Bannu	8,56,797	4,36,222	3,27,525	84,118	6,79,629	Shisham, willow, mulberry, ber, kikar and khagal.	12·79	17·3	Includes 245,124 ft. fully stocked lines omitted in previous returns.
Shahpur	19,39,402	14,78,235	32,858	6,338	15,04,755	Shisham, kikar, mulberry, bakain.	14·86	15·4	Trees are at present planted more for their timber and shade than for fodder purposes, but the leaves of shisham, kikar, mulberry and ber are used for fodder when grass is scarce.
Hissar	11,88,330	2,94.537	1,56,200§		4,50.737	Kikar, shisham, pipal, bakain, shahtut, tún, nim.	15·52	25·9	§ No plantations of the year, omitted by returning officer in returns for 1884-85. No lengths of lines are given as stocked, but it is reported that 3,742 trees were planted, of which 2,066 lived.
Ferozepur	38,63.640	23,29,800	13,279	...	23,43,079	Farash, kikar, beri, tut, tali, &c.	22·31	15·0	
VERY DRY.									
Peshawar	4,13.055	2,23.655	43.840	1,17,855¶	1,49,640	Shisham, ghaz, phola, mulberry, ber.	13·24	23·2	¶Includes 108,275 feet. difference between balance shown in printed report for 1884-85 and district returns for 1885 not accounted for, presumably failures; and here entered as such.
Kohat...	12,000	6,570	4,455	1,458	9,567	Ber, shisham, siris, tut willow, eucalyptus.	19·37	24·7	Fodder trees not specially planted; there being extensive grazing grounds in the district.
Carried over ...	1,63,55,338	68,07,697	9,27,013	2,84,010	74,50,700				

Progress Statement of Avenues in the Districts of the Punjab during the year 1885-86—continued.

I.		II.	III.	IV.	V.	VI.	VII.		VIII.
Roads or Canal on which avenues have been planted or are in course of construction.		Length of single lines stocked with trees or established plants at the beginning of the year.	Length of single lines planted during the year.	Length of single lines on which cultivation has failed or on which trees or established plants have been destroyed or felled.	Length of single lines stocked with trees or established plants at the end of the year.	Species of trees cultivated.	Rainfall.		REMARKS.
Name of	Total length in feet.	Feet.	Feet.	Feet.	Feet.		Average.	During the year.	
Brought forward ...	163,55,338	68,07,697	9,27,013	2,84,010	74,50,700				
Rohtak	23,62,200	6,02,405	2,36,660*	5,570	8,33,495	Shisham, farash, nim, kikar, siris, pipal, tut.	19·88	40·0	* Includes 136,400 entered in column II in the district returns, probably due to more correct measurements.
Lahore	16,03,845	4,45,280	5,23,022†	4,04,710	5,63,592	Shisham, tut, mangoe, farash, jaman, dharek, tún, kikar, ber.	21·64	22·2	† This includes 40,845 feet entered in column II of district returns, unaccounted for : probably arrived at by most recent and correct measurements.
Karnal	12,75,980	3,05,368	...	60	3,05,308	Shisham, siris, pipal, mulberry, banyan.	29·73	34·6	Existing plantations maintained merely. No new works undertaken. 60 feet were not failures, but entered wrongly last year.
DRY.									
Jhelum	10,80,580	7,70,040	1,71,605	28,025	9,13,620	Shisham, dhak, mulberry.	24·60	29·3	Includes 65,330 feet entered by returning officer in column II. Again probably due to more careful measurements. Deputy Commissioner remarks these.

Gujranwala ...	19,03,440	5,72,880	5,280	...	5,78,160	Shisham, kikar, mulberry.	19·6	25·47	The District Officer's statement shows this 5,288 feet as stocked with 30 trees only on the road from Shekarpura to Kadrabad. No length of line is shown on other roads as planted during the year, but 4,667 trees were put on various roads to fill gaps.
Gurgaon	18,17,980	11,03,200	2,47,440‡	43,740	13,06,900	Shisham, nim, siris, jaman, pipal, kikar, mangoes, millingtonia, farash.	26·15	39·4	‡ Includes 149,460 ft line established since some time, but omitted from former statements; now included as stocked. the returning officer enters this in column II. Plants of the year are on the whole doing fairly well; much of current year's work has been consolidation rather than extension.
Amritsar		..		..	...		26·31	23·0	
Delhi	11,86,620	6,71,828	5,18,108§	3,13,330	8,76,606	Nim, shisham, siris, jaman, kikar, lasura, gular, tún, mulberry, ber, pipal, bakain, khatta.	37·8	37·4	Only 316,080 feet of this, new operation; the blance being due to corrections.
Ludhiana	5,77,445	5,30,560	20,201	5,436‖	5,45,325	Shisham, jaman, siris, mulberry, ber.	31 39	30·6	‖ Includes 1,536 ft. probably failures; omitted from column II by returning officer without explanation here shown as failures. New operations were carried out on three roads only; the plantings were apparently successful. Failures on one road only are reported. In addition 4,489 trees were planted out to fill up gaps.
Rawalpindi . ..	48,96,718	20,30.004	2,08,024	1,46,978	20,91,050	Shisham, mulberry, kikar, phulai, ber, dharek, phagwara, tún.	31·96	35·8	Includes 5,890 feet of stocked lines omitted in previous returns. In many places these roads for great lengths run through rocky and rugged country where it is impossible to plant trees. The rains were late; many trees died.
Hoshiarpur	23,23,460	18,83,055	2,575	20,000¶	18,65,630	Siris, mango, pilkin, bahera, jaman, eucalyptus, pipal, bohar, patajan, argun, gamber khirni, maulsiri, hirak, dhes, khair, rajain, kambal, gular.	35·04	25 8	¶ This 20,000 feet is not failures; but owing to a misprint column 5 in statement of 1884-85 was augmented by this amount. It is now deducted. No remarks are made by the returning officer for this district.
Carried over	3,53,83,606	1,57,22,317	28,59,928	12,51,859	1,73,30,386				

Progress Statement of Avenues in the Districts of the Punjab during the year 1885-86—concluded.

I.		II.	III.	IV.	V.	VI.	VII.		VIII.
Roads or Canal on which avenues have been planted or are in course of construction.		Length of single lines stocked with trees or established plants at the beginning of the year.	Length of single lines planted during the year.	Length of single lines on which cultivation has failed or on which trees or established plants have been destroyed or felled.	Length of single lines stocked with trees or established plants at the end of the year.	Species of trees cultivated	Rainfall		REMARKS
Name of	Total length in feet.	Feet.	Feet.	Feet.	Feet.		Average.	During the year.	
Brought forward	353,83,606	157,22,317	28,59,928	12,51,859	173,30,386				
FOREST DISTRICTS.									
Jullundur	13,09 620	14,73,940	5,53,780*	47,520	19,80,200	Shisham	28·25	26 1	* Includes 385,940 feet fully stocked, but formerly omitted to be returned; now entered. Length of single lines are shown not double lines as returned by district officer. Plants put out are generally flourishing.
Gujrat	5.27,000	3,70,000	11,000	...	3,81,000	Do.	29 92	23·5	In the higher parts of the district much fodder was obtained from "kikar" avenues.
Gurdaspur	20,61,880	6,24,597	9,47,958†	1,026	15,71,529	Shisham, mango, sukhchain, bait, jaman, mulberry, dharek.	31·81	40 8	† Of this only 75,085 feet were added during the year the balance is fully established, but omitted in former returns now entered. Great attention is given to maintenance.
Umballa	18,18,657	11,31,444	75,438	65,849‡	11,41.033	Shisham, nim, tut, siris, kikar, dharek, kachnar, mangoes, jaman, pipal, lasura.	35 42	34·0	‡ Of these 5,760 are deducted on account of miscalculations in previous returns

Sialkot	38,46,480	25,60,350	2,16,490	1,62,860	26,13,980	Sisham, mulberry, siris, ber, kikar, mango, bahera, pipal, polah.	36·64	25·6	The year is reported as having been unfavorable for arboriculture. Storms uprooted heavy trees. Filling blanks was the chief work. Every attention is given to the cultivation of such trees as afford fodder in times of scarcity.
Simla		1,500	...	...	1,500	...		..	
Hazara	2,69,799	3,22,123	38,636	2,650	3,58,109	Hari, alucha, aru, bakian pine, mulberry, shisham, lokat and mango.	43·8	43·2	
Kangra	30,02,892	33,58,178	3.69,487	6,20,097‡	31,07,568	Mango, mulberry, dharek, jaman, bamboos, tún, karal, dodan, simbal, beri, kikar, pipal, alder, peach, apricot, poplar, plum, pear, fig, walnut, kail.	67·65	95.4	‡ Trees failed on only 139,657 feet of this lately, the balance is deducted on account of former faulty measurements. The Deputy Commissioner reports— "The figures for 1884-85 showing a heavy loss of 914,033 ft. trees were wrong. No such heavy loss occurred. Further explanation cannot be given. Corrections have now been made and statements compiled more carefully."
TOTAL ...	4,82,19,934	2,55,64,449	50,72,717	21,51,861	2,84,85,305				

STATEMENT No. I (*b*).

Progress Statement of Avenues in the Public Works Department, Canal Divisions of the Punjab, during the year 1885-86.

I.		II.	III.	IV.	V	VI.	VII.		VIII.
Roads or Canal on which avenues have been planted or are in course of construction.		Length of single lines stocked with trees or established plants at the beginning of the year	Length of single lines planted during the year.	Length of single lines on which cultivation has failed or on which trees or established plants have been destroyed or felled.	Length of single lines stocked with trees or established plants at the end of the year.	Species of trees cultivated.	Rainfall.		REMARKS.
NAME OF	*Total length in feet.*	*Feet.*	*Feet.*	*Feet.*	*Feet.*		*Average.*	*During the year.*	
Upper Sutlej Division, Inundation Canal	17,80,257	15,89,280	9,43,480*		25,32,760	Kikar, farash and shisham.	8·4	5·5	Spontaneous growth. No planted avenues Trees for the most part line the banks. Addition due to more accurate calculation.
Western Jumna Canal, Karnal Division ..	10,93,900	11,82,000	.		11,82,000	Shisham, kikar and tún.	37·1	42·8	
Ditto Hansi do. ...	11,72,582	21,57,090	40,000		21,97,090	Bamboos, siris, gular, jaman, shisham, kikar, tún, mango, &c.	16 4	32·5	
Ditto Delhi do.	61,90,100	42,64,490	8,340	88,880†	41,83,950	Shisham, tún, jaman, nim, kikar, mulberry, mango, &c.	...		† 35.000 feet of this length is deducted on account of former miscalculations.
Independent Sub-Division, Sirhind Canal ..	*Nil.*	*Nil.*	*Nil.*	*Nil*	*Nil.*	....	...	...	No avenues planted Future kikar transplants on to canal banks will be shown in this form.

Bari Doab Canal, 2nd Division	18,37,325	...	17,79,825*	13,200	17,66,625	Shisham, kikar, farash, jaman, tut and mulberry.	27·77	23·3	* Only 44,825 feet of line was operated on during the year, the balance is length already stocked, but not shown in former returns.
Ditto, 1st do.	7,69,221	...	13,22,000†	...	13,22,000	Shisham, kikar, tún, siris, mango, mulberry, &c.	24·0	19·5	† Fully stocked formerly, but omitted from last return.
Swat River Canal	5,99,729	15,466	10,134‡	...	25,600	Shisham, mulberry, bakain.	24	33·6	‡ Formerly stocked, but omitted in last return. Work was confined to refling gaps in existing lines.
Lower Sutlej and Chenab Inundation Canals ...	49,51,000	..	49,51,000	...	49,51,000	Kikar, shisham, farash, ber, jhand, date palm.	...	...	These figures represent running feet of lines of self-sown trees on both sides of the whole length of canals. Formerly stocked. No operations undertaken during the year.
Indus Canal, Dera Ghazi Khan Division ...	Not given.	7,98,400	1,05,430	28,020	8,75,810	Shisham to about 80 p. c., the remainder kikar, siris and tún.	5·6	6·5	Includes avenues on bands as well as on canal banks.
Muzaffargarh Canal Division	1,84,000	72,950	22,200	36,300*	58,850	Shisham, siris, kikar, pipal, benian, mango, jaman, ber, lasura.	6·43	7·13	500 feet of this excluded due to miscalculations in former returns. The decrease is in young plants only.
Sirhind Canal, 3rd Division	8,56,760§	1,73,718§	11,500	44,700	1,40,518	Shisham, kikar and mulberry.	...	...	§ Shown in previous returns in acres.
Ditto, 4th do.	71,50,000	64,000	1,07,000	30,000	1,41,000	Shisham and kikar ...	Not given.	Not given.	Ditto.
Ditto, 5th do.	7,09,044	23,800	60,600	16,300	68,100	Shisham, nim, anallis, mango, jaman, kikar.	Do.	29·9	Ditto.
Total ...	272,93,918	103,41,194	93,61,509	2,57,400	194,45,303				

STATEMENT No. I (*c*).

Progress Statement of Avenues planted on Provincial Roads of the Punjab during the year 1885-86.

I.		II.	III.	IV.	V.	VI.	VII.		VIII.
Roads or Canal on which avenues have been planted or are in course of construction.		Length of single lines stocked with trees or established plants at the beginning of the year.	Length of single lines planted during the year.	Length of single lines on which cultivation has failed or on which trees or established plants have been destroyed or felled.	Length of single line stocked with trees or established plants at the end of the year.	Species of trees cultivated.	Rainfall.		REMARKS.
NAME OF	*Total length in feet.*	*Feet.*	*Feet.*	*Feet.*	*Feet.*		*Average*	*During the year.*	
Bannu, North-Western Frontier Road Division ...	2,15,626	2,44,174	51,706	48,548	2,47,332	Shisham, ber, mulberry and willow.	12·0	17·3	Not shown last year.
Rawalpindi Division	9,29,282	3,48,360	...	...	3,48,360	Kikar and shisham.	Not	known	Gaps filled only; no new work done.
Lahore ditto	17,09,527	27,45,878	1,20,901	78,633	27,87,646	Kikar, shisham, siris, jhand, ber, farash, mulberry, &c.	15·0	13·1	
Amritsar ditto	9,87,970	13,31,712	1,48,697*	6,719	14,73,690	Shisham, mulberry, mango, siris, jaman, tún, kikar, phulai, &c.	36·4	30·6	* 132,427 feet of this presumably already fully stocked, but omitted from last return.
Umballa ditto	14,81,506	19,08,943	69,260	62,793	19,15,410	Shisham, jaman, siris, kikar, mango, nim, pipal, goolar, farash, tún, mulberry, tamarisk, dyak, lasura.	...		Omitted from last returns.
Delhi ditto		..	...	..	...	...	..	...	Now amalgamated.
Simla ditto	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*			
Derajat ditto .	21,90,605	7,49,585	48,783	2,48,603†	5,49,765	Shisham, kikar, mango, siris, eucalyptus, tún, beri, pharas, bhani, phakkar, khagal.	7·5	8·5	On roadsides, the only tree planted that affords fodder for grass is the *siris* being found as good as *bhusa*. † Includes 244,174 feet due to wrong measurements; now excluded.

Jullundur ditto	10,97,689	11,72,609	3,91,708‡	8,725	15,55,592	Shisham, siris, kikar, mangoes, tún, mulberry, harhar, kanar, ozi, jaman, bakain, bor, chil, kohal.	...	...	‡ Includes 3,67,670 feet omitted from last returns owing to miscalculations, and now added.
Amritsar-Pathankote Railway	3,49,800	5,57,773	...	...	5,57,773	Shisham, mango, tún, chil, poplas, kikar.	Not	given.	
Peshawar Division	33,48,770	4,53,314	3,44,439§	52,822	7,44,931	Shisham, mulberry, safaida, farash, dharek, bakain, chir, simbal, sharinh, rawanh, willow, phulai, kala kath.	...	...	§ 2,62,657 feet of this already fully stocked, but omitted from last return. Some trees died on account of excessive heat and drought. These were damaged by villagers, their prosecution resulting in a Rs. 50 fine on each of four lambardars.
Kohat, North-Western Frontier Road Division ...	8,18,400	43,972	4,756	350	48,378	Shisham, mulberry, willow, ber, bakain, siris, pipal, bor, lasura, phulai, poplar, amla, chinas, fir, kikar.	2·16	26	Shown for the first time. The figures includes a small plantation at Kohat, which is 216 feet long by ·78 feet wide.
Total ...	1,31,29,175	95,55,820	11,80,250	5,07,193	1,02,28,877				

STATEMENT No. II (*a*).

Progress Statement of groves planted in the Districts of the Punjab during the year 1885-86.

District.	I. Area on which groves have been planted or are in course of construction.	II. Area stocked with trees or established plants at the beginning of the year	III. Area planted during the year.	IV. Area on which cultivation has failed or on which trees have been destroyed or felled.	V. Area stocked with trees or established plants at the end of the year.	VI. Species of trees cultivated.	VII. Remarks
Arid.	A. R. P	A. R. P.	A. R. P.	A. R. P.	A. R. P.		
Muzaffargarh	201 0 11	151 2 17	49 1 34*	3 1 34	197 2 17	Shisham, fruit trees.	* This represents old groves fully stocked, but omitted from previous returns.
Mooltan ...	49 2 17		49 2 17†		49 2 17	Kikar, siris, ber, shisham, farash, jhand, phulai, tut, bohar and pipal.	† Previously stocked groves, but omitted from last returns.
Derá Ghazi Khan	226 2 0	146 2 0	80 0 0		226 2 0	Shisham, kikar, principally interspersed with fruit trees.	This represents the area of four groves and one plantation. The plantation consists of fodder plants as mulberry, carob, and masquit bean. The salt bush seeds did not germinate. The Guango (Pithecolobium saman) has also been tried and has succeeded in the public gardens, but is not suitable in large plantations where the water supply is precarious.
Dera Ismail Khan	11 0 0	11 0 0		6 0 0‡	5 0 0	Tamarisk, kikar, bers	‡ Transferred to Public Works Department, 1st April 1885.
Montgomery ...	30 2 0	22 1 20	5 2 20	..	28 0 0	Oranges, apples, arus and aluchas, kikar, ber, shisham, siris, mangoes, jamans, pomegranates, figs, amrut.	
Jhang	339 0 0	330 3 20	51 2 20	0 2 0	382 0 0	Mangoe, pipal, banyan, ber, shisham, willow, siris, grape, fig, symbul, eucalyptus, bedmushk, barna, tut, phulai, date tree, kikar, jhand, tamarisk, olive, tún, a large assortment of fruit trees.	
Bannu	1,084 0 0	..	1,084 0 0§		1,084 0 0	Shisham, reeds, kundar	§ Nothing sown or cultivated in the shisham forests, but the reeds when grown are cut down and grow again, giving a recurring crop. Previously stocked, but not shown last year.

Shahpur	278 0 0	206 1 3	33 2 37‖	9 0 0	231 0 0	Shisham, kikar, jhand, pipal, bakain, phulai, chil, kachnal, willow.	‖ Of this area 14 acres 2 roods and 37 poles are due to errors discovered in former returns.
Hissar	52 2 15	52 2 15	0 3 0	...	53 1 15	Orange, lime, shisham, kikar, pipal and siris,	During the year 4,297 trees were planted, of which 785 died.
Ferozpur	543 3 7	328 2 25	215 0 22¶	134 0 25*	409 2 22	Shisham, kikar, ber, mango, jaman, farash.	¶ 153 acres 2 roods and 12 poles of this area were omitted from all previous returns. * This does not represent the area that has failed during the year, but is mostly due to correction of errors in former returns.
Very Dry.							
Peshawar	12 0 0	...	12 0 0†	...	12 0 0	Shisham, mulberry, dharek, phulai, ber and ghaz.	† Was already fully stocked, but not shown before.
Kohat	15 0 31	1 1 0	...	...	1 1 0	Shisham, tut, eucalyptus, bed and mulberry.	
Rohtak	716 0 32	711 1 5	14 1 7	227 1 26	498 0 26	Kikar, arus, farash, pipal, berbir and mulberry.	
Lahore	7 0 34	...	7 0 34‡	...	7 0 34	Farash, shisham, siris and tut.	‡ Seven acres of these were already stocked, but were omitted from last return.
Karnal	311 1 10	311 1 10	...	...	311 1 10	Shisham, siris, pipal, nim, mulberry and banyan.	
Dry.							
Jhelum	1 0 3	0 0 27	0 4 2	0 2 7	0 2 22	Shisham.	
Gujranwala			*Nil.*				
Gurgaon	1,412 0 0	...	24 0 0§	...	24 0 0	Shisham, nim, siris, jaman and pipal.	§ Already stocked, but not shown in last return.
Amritsar	...	...	...	...	...		
Delhi	78 3 27	...	78 3 27‖	30 0 0	48 3 27	Nim, kikar, pomegranate, jaman, pipal, tún, mulberry, mangoes, &c.	The seedlings in Sureda and Guman Hera were destroyed by floods; the young trees at Bhindasa were destroyed by cattle and goats through the negligence of the lambardars who were fined. All other groves doing well. ‖ Omitted from last return; not new operations.
Ludhiana	...	...	149 0 0¶	...	149 0 0	Shisham, mulberry, jaman, mango, pipal, siris, and other fruit trees.	¶ Already stocked, but omitted from last return.
Rawalpindi	198 0 0	...	174 0 0*	7 0 0	167 0 0	Shisham, phulai, kikar and dharek.	* 167 acres omitted from last return now shown.
Hoshiarpur	3 0 30	...	3 0 38†	...	3 0 38	Shisham, jaman, mango, tún, siris, dharek.	† Omitted in last return, now added. No work done during the year.
Forest Districts.							
Jullundur	222 3 26	...	218 3 1†	12 0 39	206 2 2	.....	Already stocked, but omitted from last return, now shown as added. No work done during the year.
Gujrat			*Nil.*				
Gurdaspur	31 2 11	31 2 11	..	...	31 2 11	Shisham, mango, jaman and mulberry.	
Umbala			*Nil.*				
Sialkot	23 3 0	23 2 20	3 0 0	4 2 20	22 0 0	Siris, shisham, kikar, mulberry. ...	Three acres formerly nurseries, now transferred to groves.
Simla				*Nil.*			
Hazara	38 1 10	70 0 0	0 1 0	41 1 20	28 3 20	Mulberry, bakain, plantain, chinar, alucha, alu-bukhara, cedela, dias, pine.	The area shown in column 4 does not represent failures, but is now deducted to counterbalance the previous error of column II, entered as 70 acres last year. Ten large *Cedrus deodara* have been transplanted into the Haripur Tahsil compound, and are doing well.
Kangra			*Nil.*				
Total ...	5,887 2 24	2,399 0 13	2,255 2 19	476 1 11	4,178 1 21	.....	.....

STATEMENT No. III—(*a*.)

Progress Statement of nurseries planted in the Districts of the Punjab during the year 1885-86.

District	I. Total area of land set apart for nurseries.	II. Area stocked with plants at the beginning of the year.	III. Area sown or planted during the year.	IV. Area on which cultivation has failed or from which plants will be removed.	V. Area stocked with trees or established plants at the end of the year.	VI. Species of trees cultivated.	VII. Remarks.
	A. R. P.	A. R. P.	A. R. P.	A. R. P	A. R. P		
Arid.							
Muzaffargarh ...	33 0 1	28 2 2	4 1 39¶	1 0 14	31 3 27		¶ Area presumably previously stocked, omitted in last return, now added. The work done during the year
Mooltan ...	2 0 28	...	2 1 36	0 3 26	1 2 10	Shisham, pipal, bohar, siris, kikar.	1 acre 20 poles previously stocked, but omitted in last provincial return.
Dera Ghazi Khan ...	6 0 0	5 3 0	0 1 0		6 0 0	Shisham, siris, kikar, zizyphus, jujuba (ber), tûn, jaman, mangoes.	
Dera Ismail Khan .	3 3 0		3 3 0		3 3 0	Shisham	
Montgomery ...			*Nil.*				
Jhang ...	0 3 0	0 2 0	0 2 0	0 1 20	0 2 20	Mangoes, banyan, pipal, shisham, oranges, siris, grafts of mangoes, grapes, pomegranate, plaintain, apricot, loquats, amrut, pepper tree, Malta olive and tûn.	Over a 1,000 trees for fruit and shade have been sold to zamindars at half rates and to officials at full rates. Arrangements for planting fodder trees will be made in future.
Bannu ..	0 1 35		0 1 35*	0 1 0	0 0 35	Shisham, ber mulberry, willow, kikar, dharek.	* Includes one nursery of 4 poles omitted from former returns. Two more were added during the year.
Shahpur .	28 2 9	1 1 17	25 1 33†	1 0 35	25 2 15	Shisham, kikar, chil, phulai, kachnal, mulberry.	† Acres 16-1-33 now added; erroneously omitted from previous returns.
Hissar .	22 0 11	14 2 11	8 0 10‡	...	22 2 21	Tûn, shisham, kikar, nim, kachnar, siris, pipal, and all kinds of fruit trees.	‡ Acres 8-2 now added; erroneously omitted from previous returns.
Ferozepur ..	8 1 0	....	3 3 0	... ..	3 3 0	... .	Acres 3-1-0 of this area previously stocked but not shown before.

Very Dry.						
Peshawar ..	5 1 9	.....	5 2 9§	0 0 2	5 2 7	Shisham, mulberry, ghaz, phulai, ber, pipal, dharek.
Kohat ..	*Nil.*			*Nil.*		
Rohtak ..	5 3 21	1 1 23	0 3 9	0 1 5	1 3 27	Siris, shisham, kikar, nim, amaltas, mulberry, pipal and lasura.
Lahore .	2 2 17	.....	1 2 25	0 0 4	1 2 21	Jaman, siris, shisham, tut.
Karnal ...	8 2 5	8 2 5	.....	.	8 2 5	.....
Dry.						
Jhelum .	4 2 0	.. .	4 1 22‖	0 0 1	4 1 21	Shisham, dharek, mulberry, fruit plants
Gujranwala ..	7 1 20	.. ..	7 1 20¶	6 1 10	1 0 10	Kikar and shisham
Gurgaon ...	3 2 2	.....	2 3 12	..	2 3 12	Shisham, nim, jaman, mangoe, gular, tún, siris, pipal, and fruit trees.
Amritsar .	50 0 0	.....	35 2 0a	4 2 0	31 0 0	Shisham, pipal, jaman, ber, siris, tún.
Delhi .	1,208 3 6	.....	1,208 3 6b	...	1,208 3 6	Jaman, guava, pomegranate, peaches, kikar, nim, shisham, ber, pipal, siris, khatta.
Ludhiana ...	12 0 9	.. .	6 0 13*	0 0 25	5 3 28	Shisham, siris, jaman, mulberry, pomegranate, and other fruit trees
Rawalpindi ..	18 1 37	..	18 3 3†	14 0 13	4 2 30	Shisham, mulberry, kikar, dharek and phulai.
Hoshiarpur .	2 3 4		2 3 4	.....	2 3 4	Mango, shisham, jaman, eucalyptus.
Forest Districts.						
Jullundur ..	18 0 16	6 2 36	9 3 20	0 3 20	15 2 36	Shisham.
Gujrat	4 2 0	... ..	0 3 0	0 1 0	0 2 0	Shisham and siris.
Gurdaspur ...	. ..	9 0 0	1 0 1	5 2 27‡	4 1 14	Mango, shisham, jaman and garden fruit trees.
Umballa	*Nil.*			*Nil.*		
Sialkot ..	180 2 6	8 1 0	25 2 14§	1 3 1	32 0 13	Mango, bahera, shisham, siris, mulberry, amaltas, jaman, fruit trees and shrub and forest trees of most kinds.
Simla	..	.. .	.. .	.. ..	...	
Hazara	286 3 20	25 1 15	33 0 33	45 1 38	13 0 10	Chil, diar, alucha, alu-bukhara, bhi, anar, seb, gum trees, hari, &c.
Kangra .	42 3 0		42 0 0‖	0 2 1	41 1 39	Deodar, kail, walnut, fir, rai, tos, mulberry, mangoe, shisham, apricot.
Total ...	1,967 2 16	109 3 29	1,456 0 24	83 3 2	1,482 1 11	

§ 5 acres previously stocked but not shown in last return.

New nurseries have been planted at Bharth, Baddo and Dugaich.

‖ 2 acres only work of the year.

¶ Owing to a printer's error *three acres* of this were not shown last year.

a 32-2 acres previously stocked, but not shown in former returns.

b Only 2 roods of nursery made during the year. One nursery Shikargarh. Tilauri is entered as 1,208 acres. It is reported that the young trees are in good condition.

* Only acres 1-2-10 of this are new operations.

† These nurseries are for forest trees. Only acres 5-3-32 new operations.

‡ This area is now deducted only, as the whole garden was erroneously entered in previous statements.

§ Acres 22-1-20 of this already sown, but omitted from previous returns.

‖ Acres 41-3-27 of this were previously stocked, though not shown in last return.

STATEMENT No. III (*b*).

Progress Statement of nurseries planted in the Canal Divisions, Public Works Department, of the Punjab, during the year 1885-86.

	I.	II.	III.	IV.	V.	VI.	VII.
DISTRICTS.	Total area of land set apart for nurseries.	Area stocked with plants at the beginning of the year.	Area sown or planted during the year.	Area on which cultivation has failed or from which plants will be removed.	Area stocked with trees or established plants at the end of the year.	Species of trees cultivated.	REMARKS.
	A. R. P.	A. R. P.	A. R. P.	A. R. P.	A. R. P.		
Bari Doab Canal, 2nd Division	52 3 9	43 3 9	0 1 20		44 0 29	Mango, jaman, shisham, kikar and mulberry.	
Ditto, 1st do. ...			*Nil.*				
Swat River Canal ...			*Nil.*				
Chenab Canal Division ...	0 3 0	0 3 0		0 3 0	*Nil.*	Shisham and kikar.	
Lower Sutlej and Chenab Division, Inundation Canals.			*Nil.*				
Indus Canal, Dera Ghazi Khan Division ..	0 0 16	0 0 16	0 0 13	0 0 13	0 0 16		
Muzaffargrah Canal Division			*Nil.*				
Sirhind Canal, 3rd Division . .	8 2 15	6 0 16	1 2 16	1 1 4	6 1 28	Mango, jaman, bamboos, shisham, nim, tún, eucalyptus and amaltash.	
Sirhind Canal, 4th Division	2 5 0	2 0 0	1 1 0	.	3 1 0		
Ditto, 5th do. ..	1 0 13	0 2 28	0 2 29	0 1 30	0 3 17	Mango, bahera, shisham, tún, amaltas, jaman, kikar, kachnal and siris.	
Upper Sutlej Division, Inundation Canal			*Nil.*				
Western Jumna Canal, Karnal Division	...	11 1 15	..	..	11 1 15	Shisham, kikar and tún.	
Ditto, Hansi Division	63 0 3	11 2 15	4 1 28	4 1 37	11 2 6	Kikar and shisham.	
Ditto, Delhi do.	27 3 14	...	27 3 14	.	27 3 14	Shisham.	
Independent Sub-Division, Sirhind Canal	1 2 0	1 0 0	0 2 0	...	1 2 0	Shisham and siris.	
Total ...	158 3 30	77 1 19	36 2 30	7 0 4	107 0 5		

STATEMENT No. III (c).

Progress Statement of nurseries planted in the Provincial Divisions, Public Works Department, of the Punjab, during the year 1885-86.

	I.	II	III	IV.	V.	VI.	VII.
DISTRICTS	Total area of land set apart for nurseries	Area stocked with plants at the beginning of the year.	Area sown or planted during the year	Area on which cultivation has failed or from which plants will be removed	Area stocked with trees or established plants at the end of the year	Species of trees cultivated.	REMARKS
	A R. P.	A R. P.	A. R. P.	A R. P.	A. R P.		
Peshawar Division			*Nil.*				
Kohat, N. W. F. Road Division			*Nil.*				
Bannu, N. W. F Road Division.			*Nil.*				
Rawalpindi Division			*Nil.*				
Lahore do			*Nil.*				
Amritsar do			*Nil.*				
Umballa do	6 1 36	3 3 16	2 0 33	0 1 12	5 2 37	Shisham. nim, jaman, siris, pipal, lasura, mulberry, mango, bakain	Nurseries are in the compounds of road bungalows
Delhi do		..	*Nil.*				Now amalgamated.
Simla do			*Nil.*				
Derajat do	6 0 0	5 1 0	0 3 0	...	6 0 0	Shisham, kikar zeris, zezyphus ber, tun, jaman and mangoes	
Jullundur do.	0 2 9	0 1 20	..		0 1 20	Shisham, kikar and siris.	
Amritsar-Pathankote Railway			*Nil.*				
Total	13 0 5	9 1 36	2 3 33	0 1 12*	12 0 17		

STATEMENT No. IV (*a*).

Statement showing Income realized in the Districts of the Punjab during the year 1885-86.

Districts.	I.—Ornamental Gardens.							II.—Nurseries.							III.—Avenues and Groves.							IV.—Afforested Wastes.							Grand Total.	Remarks.
	Lopping.	Thinning.	Dead trees.	Fruit.	Plants.	Grass.	Miscellaneous.	Lopping.	Thinning.	Dead trees.	Fruit.	Plants.	Grass.	Miscellaneous.	Lopping.	Thinning.	Dead trees.	Fruit.	Plants.	Grass.	Miscellaneous.	Lopping.	Thinning.	Dead trees.	Fruit.	Plants.	Grass.	Miscellaneous.		
Arid.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Muzaffargarh	...	9	...	269	...	...	65	...	...	...	...	...	...	...	152	189	130	7	...	2	...	...	...	...	...	...	...	6	829	
Mooltan	51	...	...	1,116	8	...	669	...	1	...	...	...	...	...	811	12	56	...	...	...	...	...	...	...	...	...	...	...	2,724	
Dera Ghazi Khan	...	...	...	84	...	44	...	...	...	...	...	...	...	...	76	...	11	...	...	...	...	...	...	...	...	...	...	...	215	Lopping only valuable near the city.
Dera Ismail Khan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	107	...	...	...	...	278	...	...	...	...	...	...	...	...	385	
Montgomery	...	...	...	60	...	105	...	...	...	...	...	...	...	...	37	...	...	253	...	...	8	...	...	...	...	...	...	...	463	
Jhang	14	...	...	373	...	...	16	...	...	...	...	125	...	...	...	...	7	3	...	...	...	...	...	...	...	...	...	...	538	
Bannu	...	...	...	365	67	32	...	...	...	...	...	...	...	...	188	...	...	...	...	1,450	...	...	...	...	...	...	5,021	...	7,123	
Shahpur	...	...	...	1,028	27	141	...	...	...	...	...	...	...	...	516	710	...	...	...	545	...	...	...	...	...	...	...	...	2,967	
Hissar	116	115	44	498	...	10	20	...	3	3	21	...	...	...	15	64	150	...	...	...	...	...	...	...	...	...	...	...	1,059	
Ferozepur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	432	...	1,813	203	...	240	...	...	...	...	...	...	...	...	2,688	
Very Dry.																														
Peshawar	...	...	...	13	232	228	18	...	...	...	...	...	...	...	...	54	...	...	...	...	...	...	...	...	...	...	...	...	605	
Kohat	...															*Nil.*														
Rohtak	...	...	...	...	...	...	...	...	...	...	24	...	...	...	28	...	380	...	...	...	...	...	...	...	...	...	...	...	432	
Lahore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	111	...	150	...	...	...	...	...	...	...	...	...	...	...	261	
Karnal	...	...	...	...	...	...	...	...	...	...	17	...	...	...	5	...	48	...	...	10	...	...	...	...	...	...	...	...	80	
Dry.																														
Jhelum	...	...	...	218	11	...	244	157	...	569	...	...	...	27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,226	
Gujranwala	...	...	...	723	...	...	...	...	...	...	...	...	...	...	...	...	296	...	...	12	...	...	...	...	...	...	...	...	1,031	
Gurgaon	...	...	...	43	2	...	58	...	...	...	24	...	...	13	†664	†664	†665	...	...	414	...	...	...	...	...	...	...	...	2,547	†Rs. 1,993 entered in a lump sum by returning officer, here divided equally between lopping, thinning and dead trees.
Amritsar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	*3,171	
Delhi	1	...	...	...	...	...	...	...	...	4	...	1	14	...	...	...	195	...	...	...	...	...	...	66	...	...	...	...	281	
Ludhiana	...	...	...	82	...	...	26	...	...	32	...	...	11	...	250	...	1,451	...	...	959	...	...	...	...	...	...	...	...	2,811	
Rawalpindi	77	...	7	515	168	35	796	...	...	...	...	...	...	...	147	...	186	1	...	...	...	...	...	10	...	...	...	...	1,942	
Hoshiarpur	...	...	...	513	11	...	52	...	...	...	...	...	...	...	215	189	2,564	64	...	382	643	...	...	...	...	...	...	...	4,633	
Forest Districts.																														
Jullundur	...	19	...	554	86	...	10	1	...	...	188	36	18	...	147	...	5,328	...	...	420	507	...	...	...	...	...	...	...	7,314	
Gujrat	...	...	...	71	...	...	...	...	...	...	...	...	...	...	2,000	173	2,090	...	...	130	...	...	...	...	...	...	...	...	4,464	
Gurdaspur	...	278	...	197	2	44	34	...	...	48	114	12	...	...	...	40	1,790	...	...	47	225	...	...	...	...	...	...	...	2,831	Promises to develop greatly.
Umballa	...	...	...	3	...	...	6	...	...	...	...	...	...	...	106	...	1,030	265	...	...	50	...	...	...	...	...	...	...	1,460	
Sialkot	...	...	3	982	643	8	298	...	...	...	...	...	...	...	1,654	...	5,588	...	...	502	...	...	...	...	...	...	...	...	9,678	
Simla																														
Hazara	49	161	32	816	84	82	588	3	...	...	...	62	29	7	56	15	25	...	...	74	...	7	...	...	...	...	86	...	2,176	
Kangra	...	...	...	60	...	18	6	...	...	...	...	8	...	...	11	...	215	...	...	...	4	...	...	...	...	...	...	...	322	
Total	308	582	86	8,583	1,341	807	2,906	161	4	656	388	244	72	47	7,728	2,110	24,168	796	...	5,465	1,437	7	...	76	...	...	5,107	6	66,256	
Total for 1884-85	...	...	16	4,089	774	845	116	492	...	3,778	134	128	691	6	3,177	293	11,716	448	6	1,821	285	...	...	...	...	...	...	...	28,815	

*Details not given by the Deputy Commissioner.

STATEMENT No. IV (*b*).

Statement showing Income realized in the Canal Divisions of the Punjab during the year 1885-86.

Districts	I.—Ornamental Gardens.							II.—Nurseries.							III.—Avenues and Groves.							IV.—Afforested Wastes.							Grand Total.	Remarks.
	Lopping.	Thinning.	Dead trees.	Fruit.	Plants.	Grass.	Miscellaneous.	Lopping.	Thinning.	Dead trees.	Fruit.	Plants.	Grass.	Miscellaneous.	Lopping.	Thinning.	Dead trees.	Fruit.	Plants.	Grass.	Miscellaneous.	Lopping.	Thinning.	Dead trees.	Fruit.	Plants.	Grass.	Miscellaneous.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Bari Doab Canal, 2nd Division ..	..	...	..	38	..	..	..	..	..	...	...	..	..	.	...	981	10,303	...	Rs.	7,837	...	..	..	.	..	.	.	.	19.159	
Bari Doab Canal, 1st Division ..	...	...	..	..	...	..	.	..	..	..	.	..	...	..	16	2,146	8,176	465	...	5,150	501	...	...	...	..	...	.	..	16,454	
Swat River Canal . ..	...	...	..	...	.	.	..	...	..	...	...	...	...	...	...	..	5	..	.	...	..	...	...	...	..	...	...	...	5	
Chenab Canal Division ..	...	...	...	...	.	..	..	.	...	..	.	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	..		
Lower Sutlej and Chenab Division, Inundation Canals	...	...	...	..	.	...	..	..	108	1,067	63	...	..	43	...	...	..	...	...	...	..	...	...	...	...	...	...	...	1,281	
Indus Canal, Dera Ghazi Khan Division ...	...	...	...	...	...	...	..	..	..	...	...	...	..	..	...	275	756	...	...	..	..	..	...	...	..	...	..	.	1,031	
Muzaffargarh Canal Division	...	...	...	...	...	...	...	...	..	.	...	...	...	..	...	466	1,115	60	...	205	1,069	..	...	...	...	...	...		2,915	
Sirhind Canal, 3rd Division ...	...	...	...	...	...	...	...	...	..	...	...	...	...	.	337	*5,522	*5,522	...	53	3,142	4	...	...	...	...	...	..		14,560	*11044 entered in lump sum by returning officer, divided equally between missing and dead trees.
Ditto, 4th Division ..	.	..	...	...	...	...	...	...	...	..	...	...	...	...	..	53	..	...	..	490	13	..	...	...	...	...	288	..	844	
Ditto, 5th Division .	.	...	...	...	...	..	..	...	...	..	...	..	..	...	11	1,693	..	...	...	986	62	...	...	...	..	...	..	..	2,752	
Upper Sutlej Division, Inundation Canal	..	...	...	..	..	...	...	...	...	..	...	..	...	...	2,632	...	291	..	...	1,438	...	...	...	...	...	...	...	..	4,361	
Western Jumna Canal, Karnal Division .	...	...	...	...	..	...	...	..	..	...	...	...	...	..	..	...	1,240	442	...	20	2,190	...	...	...	...	...	...	...	3,892	
Do. Do., Hansi Division	.	...	...	...	...	...	...	...	...	.	...	...	...	..	...	...	8,302	234	15	568	20	...	...	...	...	...	...	...	9,189	
Do. Do., Delhi do.	...		...	...	...	...	...	...	...	...	...	...	...	..	†1,688	†1,688	†1,688	1,035	...	215	6	..	...	...	..	...	...	...	6,320	†Here 5064 entered in a lump sum is the returns, has been divided equally between lopping, thinning and dead trees.
ndent Sub-Division, Sirhind	...	...	..	...	..	...	..	...		.	..		..	...	..	12	...	...	..	279	3	...	...	...	..	...	..	...	294	
Total ..	...	...	...	38	.	...	..	...	108	1,067	63	..	...	43	4,684	12,836	37,396	2,286	68	20,330	3,868	..	...	...	.	...	288	...	83 077	
Total 1884-85 ...	...	...	...	...	...	...	...	...	..	15,219	872	15	579	85	1,172	6,340	31,493	433	894	16,944	102	...	...	.	..	...	..	.	74,976	

Statement No. IV (c)

Statement showing Income realized in the Public Works Department, Provincial Divisions, of the Punjab, during the year 1885-86.

Districts	I—Ornamental Gardens.							II.—Nurseries.							III.—Avenues and Groves.							IV.—Afforested Wastes.							Grand Total.	Remarks.
	Lopping.	Thinning.	Dead trees.	Fruit.	Plants.	Grass.	Miscellaneous.	Lopping.	Thinning.	Dead trees.	Fruit.	Plants.	Grass.	Miscellaneous.	Lopping.	Thinning.	Dead trees.	Fruit.	Plants.	Grass.	Miscellaneous.	Lopping.	Thinning.	Dead trees.	Fruit.	Plants.	Grass.	Miscellaneous.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Peshawar Division ..	...	...	5	.	...	...	...	..	...	...	..	.	...	...	243	30	14	...	.	140	..	.	...	...	...	...	...	...	432	
Bannu " .	..	..	..	..	..	...	...	...	...	...	...	..	...	...	87	.	...	...	..	...	...	..	...	..	...	...	...	...	87	
Kohat "															*Nil.*															
Rawalpindi "	...	...	...	...	...	...	...	526	...	1,208	20	...	2,376	...	...	...	...	...	..	...	...	...	...	...	...	...	...	..	4,130	
Lahore " .. .	...	...	..	181	...	...	...	...	...	...	...	...	...	...	...	...	2,333	...	25	2,105	22	...	...	...	...	..	...	...	4,666	
Amritsar "	...	...	...	.	...	...	...	...	...	...	...	..	...	...	38	..	536	400	.	1,392	...	...	...	...	...	...	...	.	2,366	
Umballa "	...	...	...	...	...	...	...	..	...	...	...	..	...	...	...	...	3,596	3	..	707	...	...	...	...	...	...	...		4,306	
Delhi "	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	..	..	...	..	...	...	...	..	..	
Simla "	...	...	...	...	...	..	...	...	...	...	...	..	...	...	...	...	...	...	..	.	.	..	..	...	...	.	..	.		
Derajat "	...	...	...	84	...	44	..	...	...	...	...	...	...	...	108	..	11	...	..	24	...	..	...	...	...	.	.	..	271	
Jullundur "	...	...	...	..	.	..	...	..	...	...	...	...	...	..	...	...	145	...	...	924	8	..	...	...	...	...	...	..	1,077	
Total ...	...	...	5	265	...	44	..	526	..	1,208	20	...	2,376	..	476	30	6,635	403	25	5,292	30	.	..	...	...	...	...	...	17,335	

STATEMENT SHOWING EXPENDITURE INCURRED ON ARBORICULTURAL OPERATIONS.

STATEMENT V (a).

Statement showing expenditure incurred on Arboricultural operations in the Districts of the Punjab during the year 1885-86.

Districts.	I. Ornamental Gardens. A. Working.	I. B. Establishment.	II. Nurseries. A. Working.	II. B. Establishment.	III. Maintenance and repairs of established avenues and groves. A. Working.	III. B. Establishment.	IV. Extension of avenues and groves. A. Working.	IV. B. Establishment.	V. Afforestation of waste land. A. Working.	V. B. Establishment.	Grand Total.	Surplus.	Deficit.	Remarks.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Arid.														
Muzaffargarh ...	1,473	1,018	...	..	278	2,752	1,315	646	130	324	7,936	...	7,107	
Mooltan ...	4,363	3,250	300	386	1,411	1,133	...	...	...	..	10,843	...	8,119	
Dera Ghazi Khan ...	746	936	406	...	...	3,738	521	1,128	.	...	7,475	...	7,260	
„ Ismail Khan ..	...	...	179	...	...	1,279	...	..	...	...	1,458	...	1,073	
Montgomery ...	2,778	504	...	...	1,000	838	269	341	...	..	5,750	...	5,287	
Jhang ..	1,778	1,578	...	...	...	920	...	...	...	...	4,276	...	3,738	
Bannu ...	306	952	13	70	102	2,488	...	...	...	...	3,931	3,192	...	
Shahpur ...	842	2,275	...	...	..	728	...	...	...	...	3,845	...	878	
Hissar ...	834	1,085	1,250	1,931	403	201	...	...	...	...	5,704	...	4,645	
Ferozepur ...	..	..	...	...	7,432	968	...	...	...	...	8,400	...	5,712	
Very Dry.														
Peshawar ...	733	2,537	40	...	...	2,310	...	...	...	...	5,620	...	5,015	
Kohat ...	...	...	...	...	...	...	...	312	...	...	312	..	312	
Rohtak ...	...	...	29	216	73	4,394	43	813	...	12	5,580	...	5,148	
Lahore ...	...	84	46	...	855	1,945	...	...	...	..	2,930	...	2,669	
Karnal ...	...	...	50	650	827	2,742	..	...	...	...	4,269	...	4,918	

Dry.														
Jhelum ..	1,863	2,058	405	1,119	152	656	28	169	...	...	6,450	..	5,224	
Gujranwala ..	.	1,669		...	..	2,782	...	...	...	...	4,451	...	3,420	
Gurgaon ...	281	600	159	605	457	5,264	...	...	970	206	8,542	...	5,995	
Amritsar ...	...	...	295	984	190	7,729	...	...	...	...	9,198	...	6,027	
Delhi ..	136	143	83	60	98	1,974	...	...	...	...	2,494	...	2,213	
Ludhiana ...	1,370	528	497	128	3,005	725	...	...	...	...	6,253	...	3,442	
Rawalpindi ...	1,307	2,380	...	..	89	53	218	...	...	...	4,047	...	2,105	
Hoshiarpur ..	739	506	..	156	364	5,505	...	...	...	...	7,270	...	2,637	
Forest Districts.														
Jullundur	1,892	1,399	291	1,500	159	1,476	182	217	...	...	7,116	198	..	
Gujrat	570	602	60	240	44	1,600	...	50	...	...	3,166	1,298	...	
Gurdaspur	610	922	109	264	.	3,660	...	300	...	...	5,865	...	3,034	
Umballa .	376	385	.	..	259	1,904	...	...	...	..	2,924	...	1,464	
Sialkot .	1,766	1,430	228	166	469	3,201	...	144	...	...	7,404	2,274	...	Heavy expenditure on gardens is due to the purchase of bullocks to replace several that died.
Simla ...														
Hazara ..	..	156	179	408	...	72	62	...	...	116	993	1,183	...	
Kangra ...	.	374	..	309	275	543	...	314	..	...	1,815	...	1,493	
Total .	24,763	27,371	4,619	9,192	17,942	63,580	2,658	4,434	1,100	658	1,56,317	8,145	98,206	
Total for 1884-85	7,772	7,088	2,856	3,606	20,599	44,897	1,325	2,271	100	228	97,509	1,574	70,268	
											Deficit for	1885-86	90,061	
											Deficit for	1884-85	68,694	

STATEMENT V (*b*).

Statement showing expenditure incurred on Arboricultural operations in the Canal Divisions, P. W. Department, of the Punjab, during the year 1885-86.

Districts.	I. Ornamental Gardens.		II. Nurseries.		III. Maintenance and repairs of established avenues and groves.		IV. Extension of avenues and groves.		V. Afforestation of waste land.		Grand Total.	Surplus.	Deficit.	Remarks
	A. Working.	B. Establishment.	A. Working.	B. Establishment.	A. Working.	B. Establishment.	A. Working	B. Establishment.	A. Working.	B. Establishment.				
	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs	Rs.	
Bari Doab Canal, 2nd Division ..	888	132	331	550	1,766	486			...	...	4,153	15,006	...	
Do. do, 1st Division				...	2,041	853	1,766	466	...	...	5,126	11,328	.	
Swat River Canal ..		..	2,186	.	1,659	..	.	...	..	...	3,845	..	3,840	
Chenab Canal Division	75		.	.	.		.	..	...	...	75	...	75	
Lower S. or Chenab Inundation Canal		...	...	..	734	738	...	...	...	...	1,472	..	191	
Indus Canal, Dera Ghazi Khan Division		.	104	133	509	2,171	76	300	...	...	3,293		2,262	
Muzaffargarh Canal Division	..	..	...	..	584		..	...	...	...	584	2,331	...	
Sirhind Canal, 3rd Division	...	...	1,171	..	5,940	...	3,994	.	...	...	11,105	3,475		
Do. do., 4th Division		..	637	...	51		8,245	1,769	...	...	10,702		9,858	
Do. do, 5th „		..	534	756	1,881	2,097	.	..	...	...	5,268	...	2,516	
Upper Sutlej Division, Inundation Canal	..	..		..	768		106	...	...	...	874	3,487	...	
Western Jumna Canal, Karnal Division	.	.			191	1,100		..		...	1,291	2,601	..	
Do. do., Hansi Division			569	873	304	940		19		...	2,205	6,984	...	
Do. do, Delhi Division	.	.			305	506	112	..	550	...	1,473	4,847	..	
Independent Sub-Division, Sirhind Canal		.	380		633	547	.	.	..	...	1,560		1,266	
Total	963	132	5,912	1,812	17,366	9,438	14,299	2,554	550		53,026	30,051	.	
Total for 1884-85	..	.	14,849	.	25,279	3,118	2,657	.	.		45,903	29,075	.	

STATEMENT V (c).

Statement showing expenditure incurred on Arboricultural operations on Provincial Roads, P. W. Department, of the Punjab, during the year 1885-86.

Districts	I		II		III		IV		V		Grand Total	Surplus	Deficit	Remarks
	Ornamental Gardens		*Nurseries*		*Maintenance and repairs of established avenues and groves*		*Extension of avenues and groves*		*Afforestation of waste land*					
	A Working	B Establishment	A Working	B Establishment	A Working	B Establishment	A Working	B Establishment	A Working	B Establishment				
	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	
Peshawar Division	35		105		280	616	657		.	.	1,693		1,261	
Kohat do					734						734		734	
Bannu					25	420					445		358	
Rawalpindi Division					136	1,376		800			2,312	1,818		
Lahore do	87	135	110	286	1,228	1,052	175	465		105	3,643	1,023		
Amritsar do			.		1,049						1,049	1,317		
Umballa do	.		973		2,039		302				3,314	992		
Delhi do	.				.				.					
Simla do														
Derajat	746	936	406			5,142	521	1 128	.		8,879		8,608	
Jullundur Division			72	60	1 258	347	190	30			1,957		880	
Total	868	1,071	1,666	346	6 749	8,953	1 845	2,423		105	24 026		6,691	